

IS 1200 (Part 10) : 2013

(Reaffirmed 2018)

भारतीय मानक

भवन निर्माण और सिविल इंजीनियरिंग कार्यों
की मापन पद्धतियाँ
भाग 10 सीलिंग व लाइनिंग्स
(तीसरा पुनरीक्षण)

Indian Standard

METHOD OF MEASUREMENT OF BUILDING AND
CIVIL ENGINEERING WORKS

PART 10 CEILINGS AND LININGS

(*Third Revision*)

ICS 17.020; 91.040.01; 91.060.30; 93.010

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September 2013

Price Group 1

FOREWORD

This Indian Standard (Part 10) (Third Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Method of Measurement of Works of Civil Engineering (Excluding Water Resources Development) Sectional Committee had been approved by the Civil Engineering Division Council.

Measurement occupies a very important place in the planning and execution of any civil engineering work from the time of first estimates to the final completion and settlement of payments for a project. Methods followed for measurement are not uniform and considerable difference exists between practices followed by different construction agencies and also among various Central and State Government departments. While it is recognized that each system of measurement has to be specifically related to administrative and financial organizations within the department responsible for the work, a unification of various systems at technical level has been accepted as very desirable specially as it permits a wider range of operation civil engineering contractors and eliminates ambiguities arising out of inadequate understanding of various systems followed.

Among various civil engineering items, measurement of buildings was the first to be taken up for standardization and this standard having provisions relating to building work was first published in 1958 and was revised in 1964.

Since various trades are not related to one another, the Committee decided that each type of trade as given in IS 1200 : 1964 'Method of measurement of building works' be issued separately as different parts which will be helpful to specific users in various trades. This Part of IS 1200 covering formwork was first issued in 1973.

This third revision of the standard has been brought out to incorporate the changes found necessary in light of usage of this standard and suggestions made by various implementing bodies. The significant modifications in this revision are:

- a) Incorporation of Amendment No. 1 and 2; and
- b) Detailed revised provision on measurement of openings including recesses.

SP 27 : 1997 'Handbook on method of measurement of buildings works (*first revision*)' published earlier by the Committee covering the consolidated provisions of all the Parts of IS 1200 shall be revised after the revision of the other Parts of IS 1200.

For standards on method of measurement of river valley projects, the Indian Standards formulated by the Measurement and Cost Analysis of Works for River Valley Projects Sectional Committee, WRD 23 under the Water Resources Division Council of BIS may be referred.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a measurement shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***METHOD OF MEASUREMENT OF BUILDING AND
CIVIL ENGINEERING WORKS****PART 10 CEILINGS AND LININGS***(Third Revision)***1 SCOPE**

This standard (Part 10) covers the method of measurement of ceilings and linings for buildings and civil engineering works.

2 GENERAL RULES**2.1 Clubbing of Items**

Items may be clubbed together provided that the break up of the clubbed items is agreed to be on the basis of the detailed description of the items stated in the standard.

2.2 Booking of Dimensions

In booking of dimensions, the order shall be consistent and generally in the sequence of length, breadth or width and height or depth or thickness.

2.3 Description of Items

The description of each item shall, unless otherwise stated, be held to include where necessary, conveyance and delivery, handling unloading, storing fabrication, hoisting, all labour for finishing to required shape and size.

2.4 Measurements

Unless otherwise stated here-in-after all works shall be measured net in decimal system, as fixed in its place, as given in 2.4.1 and 2.4.2.

2.4.1 Dimension shall be measured to the nearest 0.01 m.

2.4.2 Areas shall be worked out to the nearest 0.01 m².

2.5 Bills of Quantities

The bills of quantities shall fully describe the materials and workmanship and accurately represent the work to be executed.

2.6 Each type of work in ceiling and lining shall be measured separately.

3 MEASUREMENT

3.1 The materials, its thickness and method of fixing, shall be described. Supporting members shall be measured separately in the relevant Part of this standard, unless otherwise specified.

3.2 If work is to be formed to any specific pattern, it shall be so stated.

3.2.1 Work formed to circular surfaces shall be measured separately; if fixed with screws, it shall be so stated. All straight and raking cutting and waste shall be included with the item concerned.

3.3 All work unless otherwise described shall be measured as flat, in square metres.

3.4 Openings and Recesses

3.4.1 No deduction in measurement shall be made for each of opening not exceeding 0.4 m² and no extra measurement shall be made for forming such openings. For any opening exceeding 0.4 m², deductions in measurements for the full openings shall be made and in such cases making such openings shall be separately measured.

3.4.2 Recesses, if any shall be measured for separately in numbers. For areas under 0.4 m², no deduction in area shall be made but the effort required for the number of such recesses shall be considered. For area exceeding 0.4 m², the same shall be measured, in square metres.

3.5 Boarding fixed to curved surfaces in width not exceeding 15 cm shall be measured separately and shall include shooting the edges to proper splays.

3.6 Circular and any rectilinear cutting shall be measured, in running metres, stating the thickness and type of material.

3.7 Cover fillets over joints shall be measured separately, in running metres, stating the material, width and thickness of fillet. If the edges of fillets are chamfered, rounded or moulded, this shall be stated. Mitring at junctions shall be included in the description.

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3.8 Sealing joints of plaster of fibre boards shall be measured, in running metres. The method of sealing shall be described.

3.9 Chamfering or rounding edges of fibre boarding and cutting V-groove in the same shall be measured, in running metres.

3.10 Insulation boards and slabs fixed to surfaces shall be measured, in square metres, stating type, the number of layers, thickness of each layer and the method of fixing.

3.10.1 Hollow insulation blocks shall be measured, in square metres, specifying the thickness. The method of setting and the type of mortar shall be described.

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This Indian Standard has been developed from Doc No.: CED 44 (7799).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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